FIG._1

VACUUM FILTER
SELECTED
MICROSPHERES — 50

↓

ADD DYE
SOLUTION — 52

↓

REMOVE
EXCESS DYE — 54

↓

ATTACH
CHEMICAL
FUNCTIONALITY — 56

FIG._2

PREPARE
BUNDLE ENDS — 270

↓

ETCH DISTAL
END — 272

↓

STOP ETCH
AND CLEAN — 274

↓

PLACE
MICROSPHERES
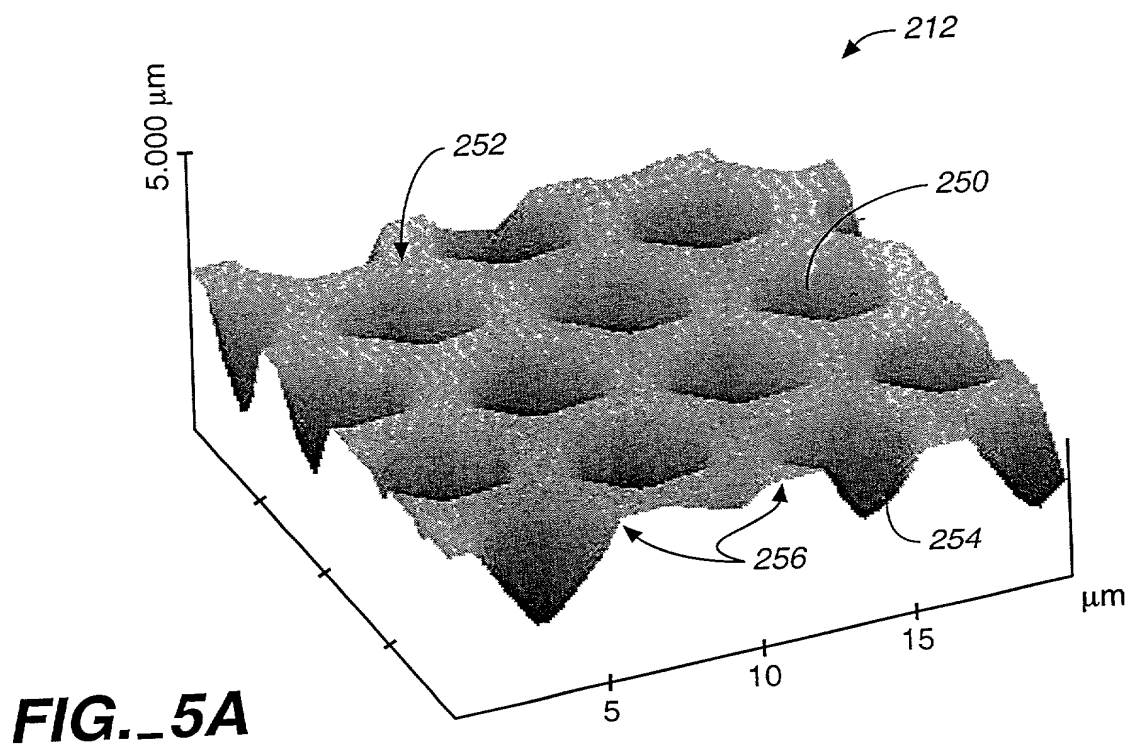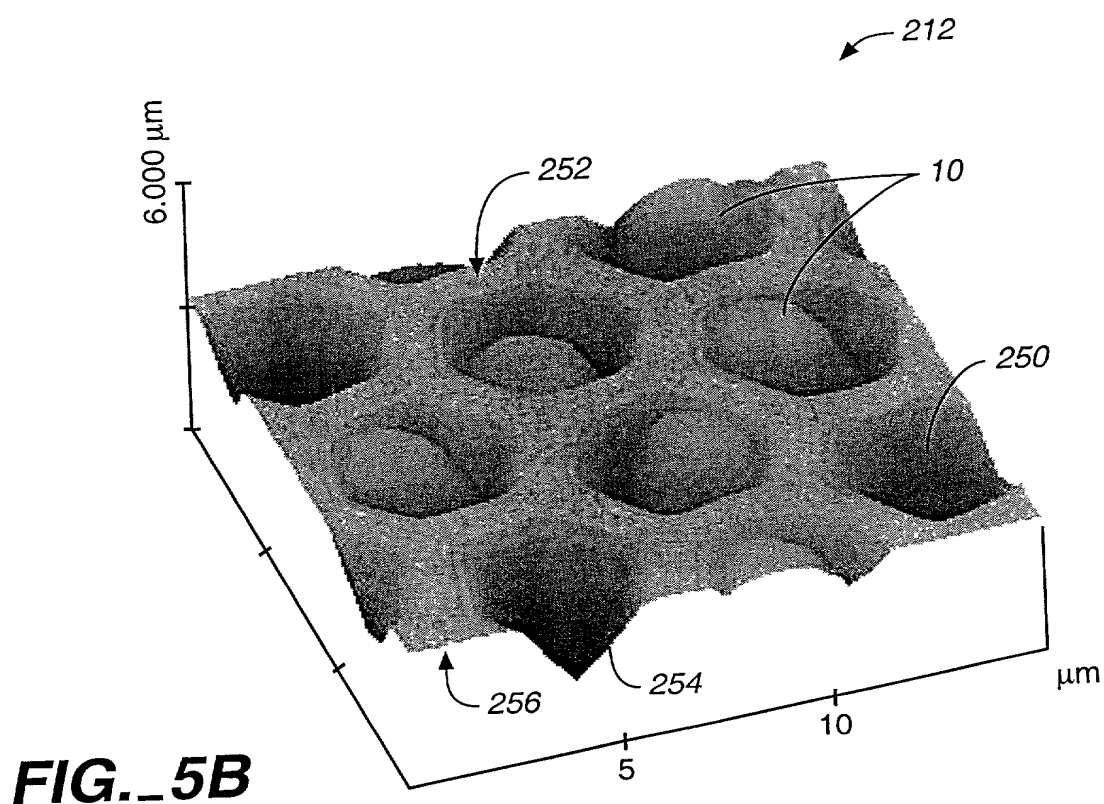IN WELLS — 276

↓

FIX
MICROSPHERES
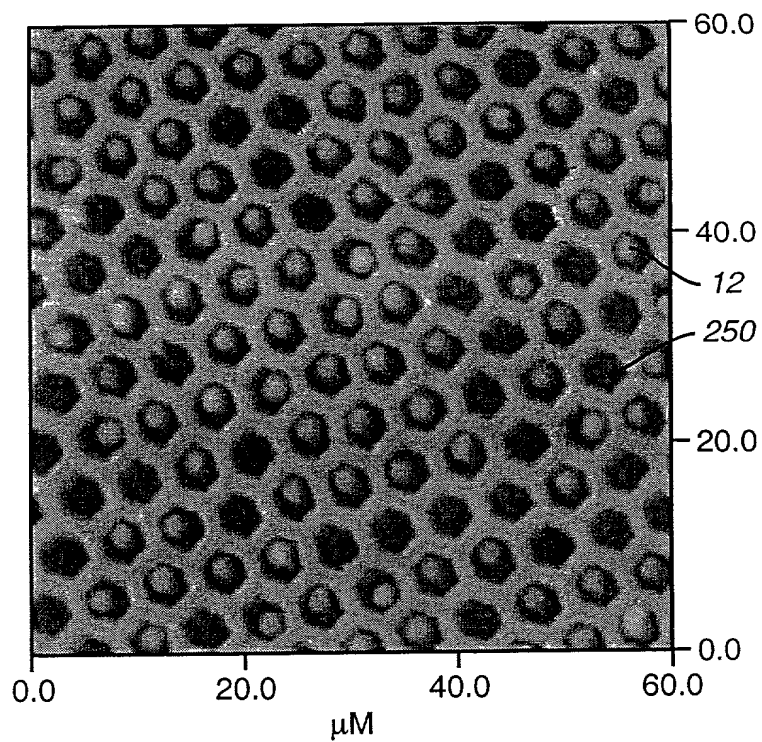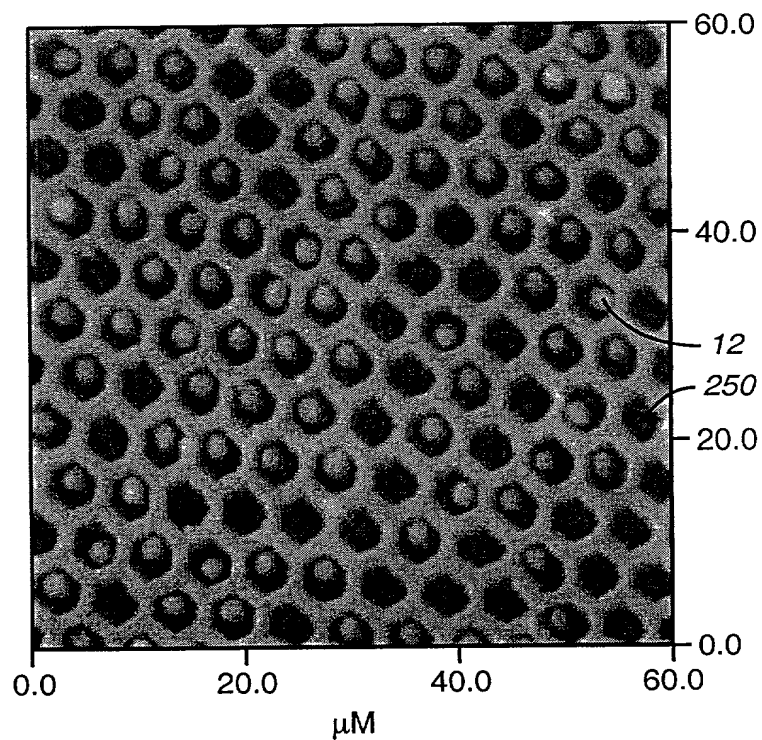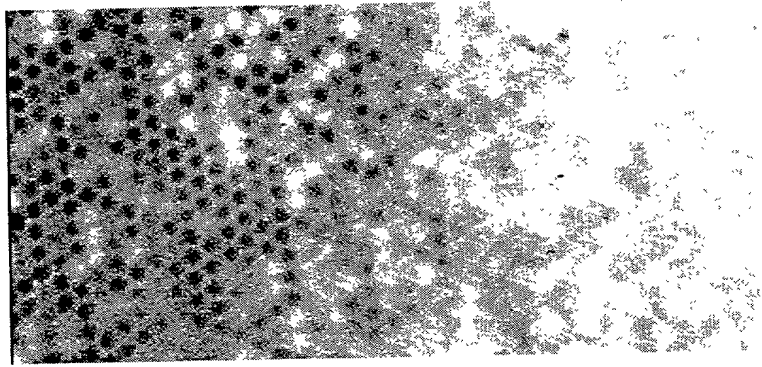IN WELLS — 278

FIG._6

FIG._3

FIG._4

FIG._5A

FIG._5B

FIG._7A

FIG._7B

FIG._8A

FIG._8B
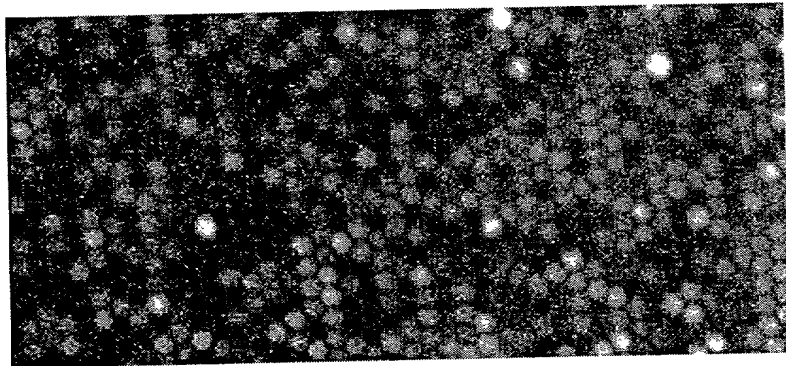
FIG._8C
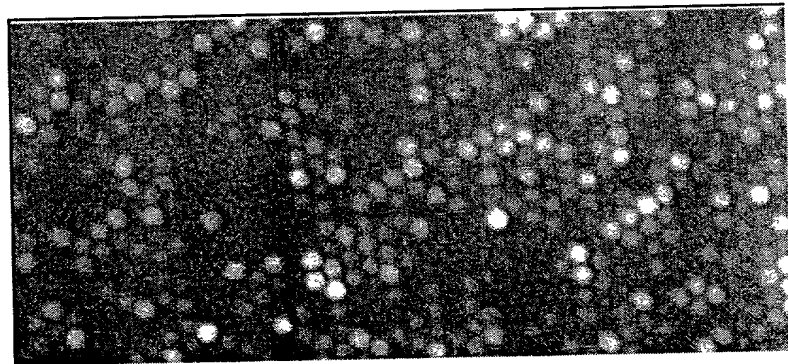
FIG._9A
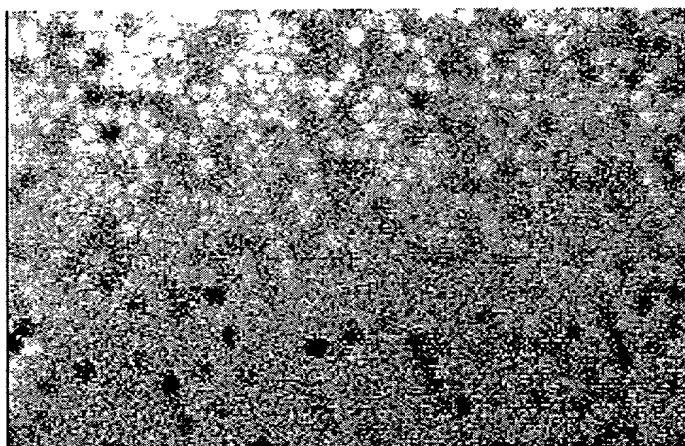
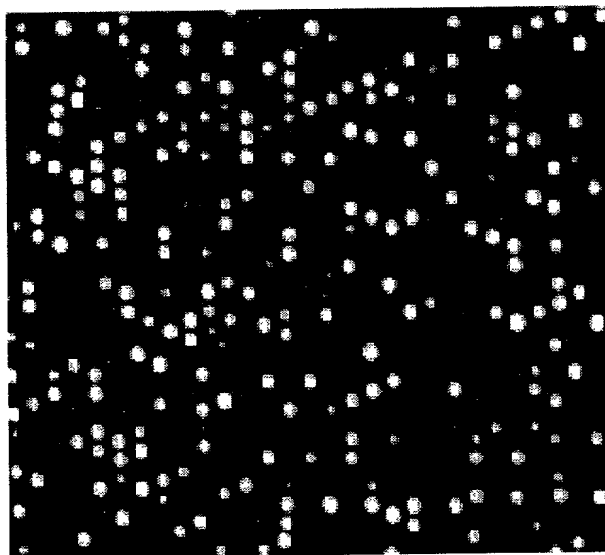

FIG._9B
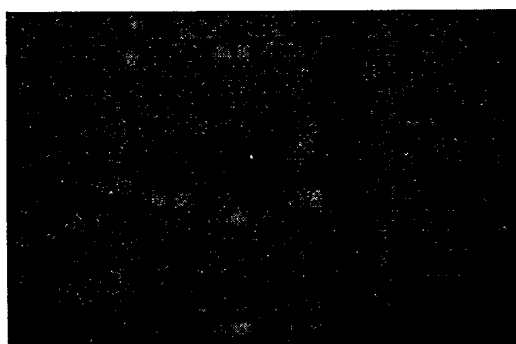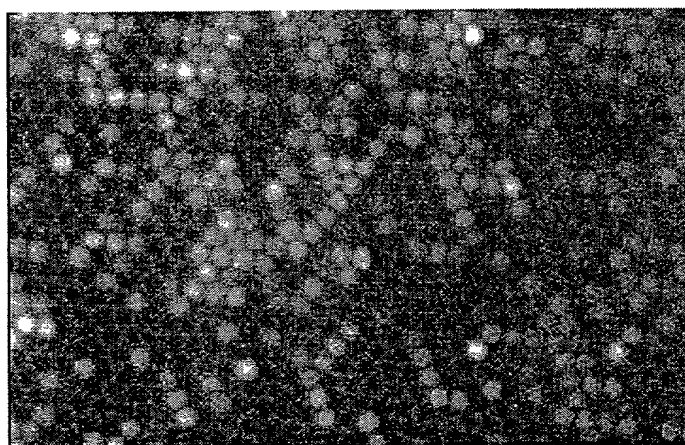
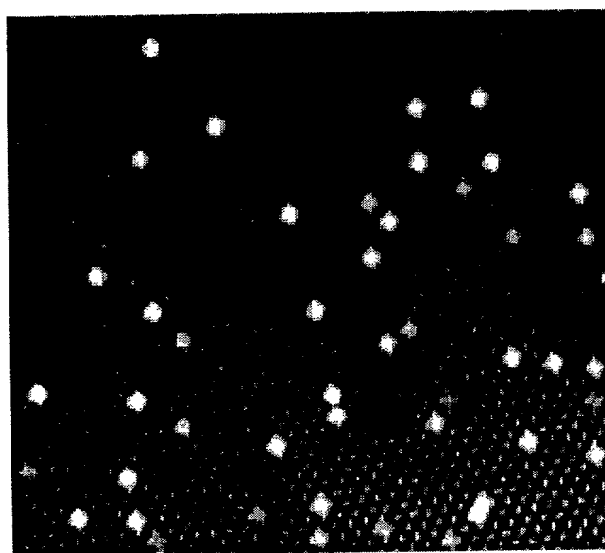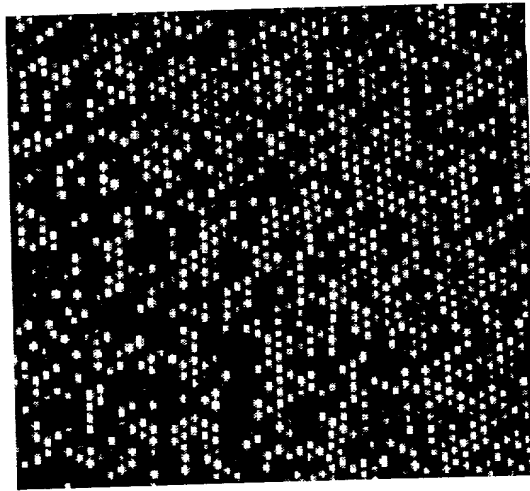*FIG._10A*
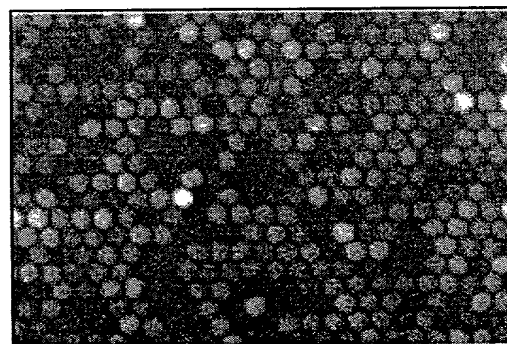
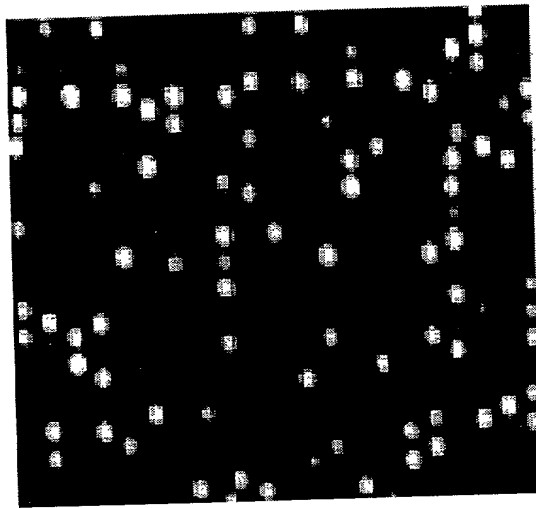*FIG._10B*

FIG._11A

FIG._11B

Mean: 143.8
S.D.: 39.4
C.V.: 27.3%

FIG._12A

Mean: 167.3
S.D.: 45.7
C.V.: 27.3%

FIG._12B

Mean: 198.9
S.D.: 38.3
C.V.: 19.3%

FIG._12C